

fhicl-cpp - Bug #10979

formatting bug in output of --debug-config

11/22/2015 02:50 PM - Rob Kutschke

Status:	Closed	Start date:	11/22/2015
Priority:	Normal	Due date:	
Assignee:	Kyle Knoepfel	% Done:	100%
Category:		Estimated time:	2.00 hours
Target version:	1.18.03	Spent time:	0.50 hour
Description			
<p>I made a --debug-config file from one of the Mu2e fcl files that makes heavy use of @sequence:: and @table. There is a formatting bug in the output. The original error was found in Analyses/test/genReco.fcl . I have produced a stripped down version that is much shorter and still produces the bug.</p> <p>Here is the command that will demonstrate the error:</p> <pre>mu2e -c Analyses/test/debug_config_bug.fcl --debug-config bug.fcl</pre> <p>In bug.fcl find the definition of gen_allpatrec_rec, which is shown below. The error is that after the first 10 module labels in the list, the comma that delimits module labels is missing.</p> <pre>gen_allpatrec_reco: ["generate", "g4run", "protonTimeMap", "muonTimeMap", "MakeCaloReadoutHits", "MakeCaloCrystalHits", "makeSD", "makeSH", "FSHPreStereo", "MakeStereoHits", "FlagStrawHits" "FlagBkgHits" "TimePeakFinder" "PosHelixFinder" "TRFDownstreameMinus"]</pre> <p>To reproduce the bug, first setup a ups repository. Then:</p> <pre>git clone http://cdcvcs.fnal.gov/projects/mu2eoffline/mu2eoffline/Offline.git cd Offline source setup.sh mu2e -c Analyses/test/genReco.fcl --debug-config bug.fcl</pre> <p>You do need to build the Mu2e code in order to reproduce this bug.</p>			

Associated revisions

Revision b0ef6634 - 11/30/2015 03:56 PM - Kyle Knoepfel

Implement fix for issue #10979

History

#1 - 11/23/2015 11:52 AM - Marc Paterno

- Status changed from New to Accepted

#2 - 11/30/2015 11:38 AM - Kyle Knoepfel

- Status changed from Accepted to Assigned

- Assignee set to Kyle Knoepfel

#3 - 11/30/2015 11:39 AM - Kyle Knoepfel

- *Project changed from art to fhicl-cpp*
- *Estimated time set to 2.00 h*

#4 - 11/30/2015 04:12 PM - Kyle Knoepfel

- *Status changed from Assigned to Resolved*
- *% Done changed from 0 to 100*

When rewriting the `ParameterSet::to_indented_string` implementation, I changed the sequence-element printout to rely on regex-pattern matching. To determine if a parameter is a sequence element it must have a key that ends with `"\\d+\\]"` (at least one indexed digit -- e.g. `"seq[7]"`). I omitted the `'+'` character so that elements with *only one* digit matched the pattern -- hence why you saw commas for the first 10 elements and none afterward.

This has been fixed and implemented with [fhicl-cpp:b0ef663](#).

#5 - 12/23/2015 09:02 AM - Kyle Knoepfel

- *Status changed from Resolved to Closed*

#6 - 05/24/2016 10:02 AM - Kyle Knoepfel

- *Target version set to 1.18.03*